

MACHINE TOOL TECHNOLOGY - INTERMEDIATE TECHNICAL CERTIFICATE (ITC)

Explore More About This Program: <https://cwi.edu/program/machine-tool-technology>

Certificate Quick Facts

- **Instructional School:** Industry, Engineering, and Trades
- **Department:** Manufacturing and Welding
- **Program Code:** MACH.ITC
- **Program Type:** Career and Technical Education
- **Available Fully Online:** No
- **Eligible for Federal Financial Aid:** Yes

Certificate Requirements

| Course | Course Title | Min Credits |
|--|-------------------------------|-------------|
| General Education Requirements | | |
| <i>Choose one of the following courses to complete the GEM 1 or GEM 2 requirement:</i> | | |
| Select one of the following: | | |
| | | 3 |
| <u>GEM 1 - Written Communication course</u> | | |
| <u>GEM 2 - Oral Communication course</u> | | |
| <i>Complete the following course to fulfill the GEM 3 requirement:</i> | | |
| | | 3 |
| <u>GEM 3 - Mathematical Ways of Knowing course</u> | | |
| <i>Complete the following course to fulfill the GEM 6 requirement:</i> | | |
| | | 3 |
| <u>GEM 6 - Social & Behavioral Ways of Knowing course</u> | | |
| Major Requirements | | |
| MACH 103 | Machine Shop Laboratory I | 3 |
| MACH 104 | Machine Shop Laboratory II | 3 |
| MACH 105 | Machine Shop Laboratory III | 6 |
| MACH 126 | Related Blueprint Reading I | 2 |
| MACH 127 | Related Blueprint Reading II | 2 |
| MACH 153 | Machine Shop Theory I | 2 |
| MACH 154 | Machine Shop Theory II | 2 |
| MACH 155 | Machine Shop Theory III | 2 |
| MACH 224 | Tool Design for Manufacturing | 2 |
| Minimum Credit Hours Required | | 33 |